

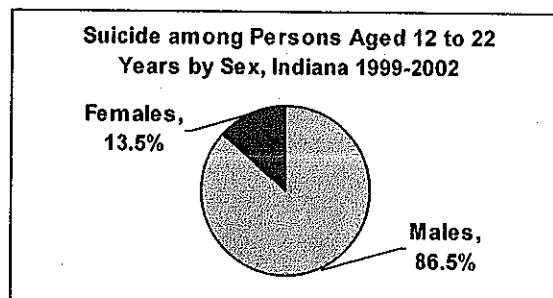
## Suicide and Non-Fatal Self Inflicted Injuries among Adolescents and Young Adults (Aged 12 to 22), Indiana 1999-2002

### Deaths

Suicide is the 3<sup>rd</sup> leading cause of death among adolescents and young adults.

There were 318 deaths among person aged 12 to 22 years (11.5 percent of all suicides) during 1999-2002, averaging 79 deaths annually.

The leading mechanisms of suicides were firearms (62.9 percent), suffocation (25.2 percent), and poisoning (6.0 percent).

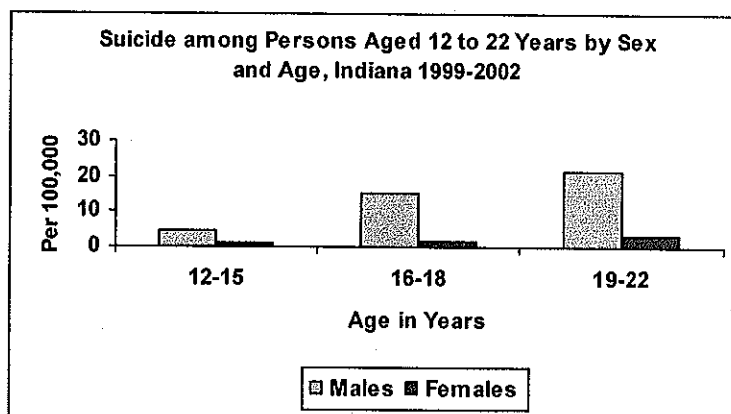


Males in this age group were 6 times more likely than females to commit suicide.

Males accounted for 86.5 percent (3.6 per 100,000) of all suicides in this age group and nearly 10 percent of suicides over all ages.

Higher rates among males occur in the 19 to 22 year old age group (21.4 per 100,000), followed by the 16-18 year old age group (15.3 per 100,000).

Females in this age group accounted for 13.5 percent of all suicides.



Whites (both males and females) accounted for 89.3 percent of suicides in this age group.

Seventy-seven percent of all suicides in this age group were specifically among white males.

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**\*Note all hospital discharge data presented in this document is based on 44 percent external cause of injury codes.**

### Hospitalizations

There were 452 hospitalizations (22 percent of all suicide-related hospital admissions) among adolescents and young adults aged 12 to 22 years in 2002.

The self-inflicted injury rate for adolescents and young adults aged 12 to 22 years was 45.4 per 100,000.

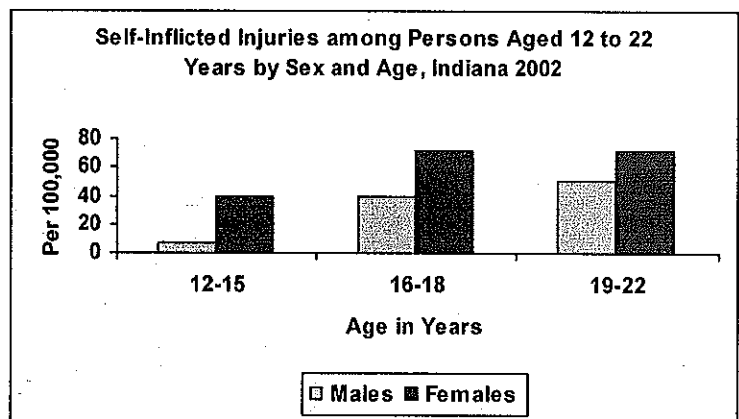
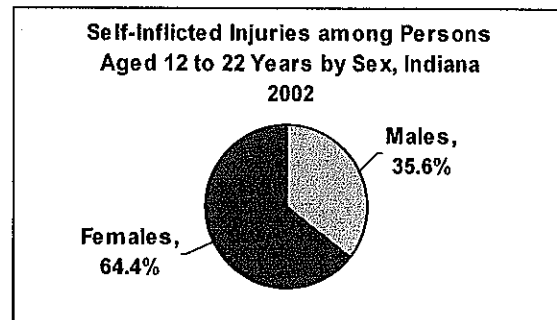
Poisoning was the leading mechanism for self-inflicted injuries in this age group.

The use of analgesics, antipyretics, and antirheumatics was seen in 43 percent of the cases. Twenty-six percent used tranquilizers and other psychotropic agents.

Females accounted for 64.4 percent of hospital admissions in this age group. Males accounted for 35.6 percent.

Females in this age group were 1.9 times more likely than males to attempt suicide than males.

Specifically in the 12 to 15 year age group, females were 5.8 times more likely than males to attempt suicide, while accounting for 18.6 percent of hospital admissions among those aged 12 to 22 years.



## Summary of Fatal Self-Inflicted Injuries

**Table 1. Suicide Rates\* and Leading Methods by Age and Sex, Indiana 1999-2002.**

| Age Groups     | Total        |              |             | Males        |              |             | Females    |              |            |
|----------------|--------------|--------------|-------------|--------------|--------------|-------------|------------|--------------|------------|
|                | No.          | %            | Rate        | No.          | %            | Rate        | No.        | %            | Rate       |
| 00-14          | 27           | 1.0          | 0.5         | 24           | 1.1          | 0.9         | 3          | 0.6          | 0.1†       |
| 15-19          | 156          | 5.6          | 8.7         | 135          | 6.0          | 14.7        | 21         | 4.2          | 2.4        |
| 20-24          | 234          | 8.5          | 13.3        | 202          | 8.9          | 22.6        | 32         | 6.3          | 3.7        |
| 25-34          | 483          | 17.4         | 14.7        | 415          | 18.3         | 24.9        | 68         | 13.5         | 4.2        |
| 35-44          | 634          | 22.9         | 16.7        | 495          | 21.9         | 26.2        | 139        | 27.5         | 7.3        |
| 45-54          | 541          | 19.5         | 16.3        | 426          | 18.8         | 26.0        | 115        | 22.8         | 6.9        |
| 55-64          | 240          | 8.7          | 11.1        | 183          | 8.1          | 17.5        | 57         | 11.3         | 5.1        |
| 65+            | 453          | 16.4         | 15.0        | 383          | 16.9         | 31.4        | 70         | 13.9         | 3.9        |
| Unknown Age    | 1            | 0.0          | --          | 1            | 0.0          | --          | 0          | 0.0          | --         |
| <b>Methods</b> |              |              |             |              |              |             |            |              |            |
| Firearm        | 1,638        | 59.2         | 6.7         | 1,429        | 63.1         | 11.9        | 209        | 41.4         | 1.7        |
| Suffocation    | 522          | 18.9         | 2.1         | 453          | 20.0         | 3.8         | 69         | 13.7         | 0.6        |
| Poisoning      | 452          | 16.3         | 1.9         | 269          | 11.9         | 2.3         | 183        | 36.2         | 1.5        |
| All Others     | 157          | 5.7          | 0.6         | 113          | 5.0          | 0.9         | 44         | 8.7          | 0.4        |
| <b>Race</b>    |              |              |             |              |              |             |            |              |            |
| White          | 2604         | 94.0         | 11.9        | 2126         | 93.9         | 19.7        | 478        | 94.7         | 4.3        |
| Black          | 152          | 5.5          | 7.1         | 129          | 5.7          | 12.6        | 23         | 4.6          | 2.1        |
| All Others     | 13           | 0.5          | 3.6†        | 9            | 0.4          | 5.0†        | 4          | 0.8          | 2.2†       |
| <b>Total</b>   | <b>2,769</b> | <b>100.0</b> | <b>11.3</b> | <b>2,264</b> | <b>100.0</b> | <b>18.9</b> | <b>505</b> | <b>100.0</b> | <b>4.1</b> |

Source: CDC, WISQARS (Frequencies and rates as of March 5, 2005).

\*Rates are per 100,000 and rounded to the nearest tenth percent.

†Rates based on frequencies of 20 or less are unstable and should be used with caution.

**Table 2. Suicide Rates\* and Leading Methods among Adolescents and Young Adults (Aged 12 to 22) by Age and Sex, Indiana 1999-2002.**

| Age Groups     | Total      |              |            | Males      |              |             | Females   |              |            |
|----------------|------------|--------------|------------|------------|--------------|-------------|-----------|--------------|------------|
|                | No.        | %            | Rate       | No.        | %            | Rate        | No.       | %            | Rate       |
| 12-15          | 39         | 12.3         | 2.7        | 31         | 11.3         | 4.3         | 8         | 18.6         | 1.2†       |
| 16-18          | 94         | 29.6         | 8.8        | 84         | 30.5         | 15.3        | 10        | 23.3         | 1.9†       |
| 19-22          | 185        | 58.2         | 12.6       | 160        | 58.2         | 21.4        | 25        | 58.1         | 3.5        |
| <b>Methods</b> |            |              |            |            |              |             |           |              |            |
| Firearm        | 200        | 62.9         | 5.1        | 180        | 65.5         | 8.9         | 20        | 46.5         | 1.0†       |
| Suffocation    | 80         | 25.2         | 2.0        | 68         | 24.7         | 3.4         | 12        | 27.9         | 0.6†       |
| Poisoning      | 19         | 6.0          | 0.5†       | 13         | 4.7          | 0.6†        | 6         | 14.0         | 0.3†       |
| All Others     | 19         | 6.0          | 0.5†       | 14         | 5.1          | 0.7†        | 5         | 11.6         | 0.3†       |
| <b>Total</b>   | <b>318</b> | <b>100.0</b> | <b>8.0</b> | <b>275</b> | <b>100.0</b> | <b>13.6</b> | <b>43</b> | <b>100.0</b> | <b>2.2</b> |

Source: CDC, WISQARS (Frequencies and rates as of March 5, 2005).

\*Rates are per 100,000 and rounded to the nearest tenth percent.

†Rates based on frequencies of 20 or less are unstable and should be used with caution.

## Summary of Non-Fatal Self-Inflicted Injuries Resulting in Hospitalization

**Table 3. Self-Inflicted Hospitalization Rates\* and Leading Methods by Age and Sex, Indiana 2002.**

| Age Groups     | Total       |              |             | Males      |              |             | Females     |              |             |
|----------------|-------------|--------------|-------------|------------|--------------|-------------|-------------|--------------|-------------|
|                | No.         | %            | Rate        | No.        | %            | Rate        | No.         | %            | Rate        |
| 0-14           | 45          | 22           | 3.4         | 8          | 1.0          | 1.2†        | 37          | 3.0          | 5.7         |
| 15-19          | 250         | 12.2         | 56.8        | 84         | 10.1         | 37.3        | 166         | 13.6         | 77.2        |
| 20-24          | 283         | 13.8         | 62.2        | 127        | 15.2         | 54.9        | 156         | 12.8         | 69.7        |
| 25-34          | 494         | 24.1         | 60.3        | 218        | 26.2         | 52.4        | 276         | 22.6         | 68.3        |
| 35-44          | 506         | 24.6         | 54.1        | 197        | 23.6         | 42.2        | 309         | 25.3         | 65.8        |
| 45-54          | 311         | 15.1         | 36.3        | 134        | 16.1         | 31.6        | 177         | 14.5         | 40.9        |
| 55-64          | 91          | 4.4          | 16.1        | 38         | 4.6          | 13.9        | 53          | 4.3          | 18.1        |
| 65+            | 72          | 3.5          | 9.5         | 27         | 3.2          | 8.8         | 45          | 3.7          | 10.0        |
| Unknown Age    | 1           | 0.0          | --          | 0          | 0.0          | --          | 1           | 0.1          | --          |
| <b>Methods</b> |             |              |             |            |              |             |             |              |             |
| Poisoning      | 1906        | 92.8         | 30.9        | 717        | 86.1         | 23.7        | 1189        | 97.5         | 37.9        |
| Cut/Pierce     | 59          | 2.9          | 1.0         | 40         | 4.8          | 1.3         | 19          | 1.6          | 0.6†        |
| Firearm        | 52          | 2.5          | 0.8         | 48         | 5.8          | 1.6         | 4           | 0.3          | 0.1†        |
| All Others     | 36          | 1.8          | 0.6         | 28         | 3.4          | 0.9         | 8           | 0.7          | 0.3†        |
| <b>Race</b>    |             |              |             |            |              |             |             |              |             |
| White          | 1710        | 83.3         | 31.2        | 684        | 82.1         | 25.3        | 1026        | 84.1         | 36.9        |
| Black          | 169         | 8.2          | 32.2        | 85         | 10.2         | 33.8        | 84          | 6.9          | 30.7        |
| All Others     | 174         | 8.5          | --          | 64         | 7.7          | --          | 110         | 9.0          | --          |
| <b>Total</b>   | <b>2053</b> | <b>100.0</b> | <b>33.3</b> | <b>833</b> | <b>100.0</b> | <b>27.5</b> | <b>1220</b> | <b>100.0</b> | <b>38.9</b> |

Source: Indiana State Department of Health, Injury Prevention Program, 2002 Hospital Discharge Data.

\*Rates are per 100,000 and rounded to the nearest tenth percent.

†Rates based on frequencies of 20 or less are unstable and should be used with caution.

**Table 4. Self-Inflicted Hospitalization Rates\* and Leading Methods among Adolescents and Young Adults by Age and Sex, Indiana 2002.**

| Age Groups     | Total      |              |             | Males      |              |             | Females    |              |             |
|----------------|------------|--------------|-------------|------------|--------------|-------------|------------|--------------|-------------|
|                | No.        | %            | Rate        | No.        | %            | Rate        | No.        | %            | Rate        |
| 12-15          | 84         | 18.6         | 23.0        | 13         | 8.1          | 6.9†        | 71         | 24.4         | 40.0        |
| 16-18          | 146        | 32.3         | 55.4        | 54         | 33.5         | 40.0        | 92         | 31.6         | 71.5        |
| 19-22          | 222        | 49.1         | 60.6        | 94         | 58.4         | 50.5        | 128        | 44.0         | 71.0        |
| <b>Methods</b> |            |              |             |            |              |             |            |              |             |
| Poisoning      | 426        | 94.2         | 42.8        | 142        | 88.2         | 27.9        | 284        | 97.6         | 58.3        |
| Firearm        | 10         | 2.2          | 1.0†        | 8          | 5.0          | 1.6†        | 2          | 0.7          | 0.4†        |
| Cut/Pierce     | 9          | 2.0          | 0.9†        | 5          | 3.1          | 1.0†        | 4          | 1.4          | 0.8†        |
| All Others     | 7          | 1.5          | 0.7†        | 6          | 3.7          | 1.2†        | 1          | 0.3          | 0.2†        |
| <b>Total</b>   | <b>452</b> | <b>100.0</b> | <b>45.4</b> | <b>161</b> | <b>100.0</b> | <b>31.7</b> | <b>291</b> | <b>100.0</b> | <b>59.8</b> |

Source: Indiana State Department of Health, Injury Prevention Program, 2002 Hospital Discharge Data.

\*Rates are per 100,000 and rounded to the nearest tenth percent.

†Rates based on frequencies of 20 or less are unstable and should be used with caution.

**Data compiled by the Indiana State Department of Health, Injury Prevention Program**